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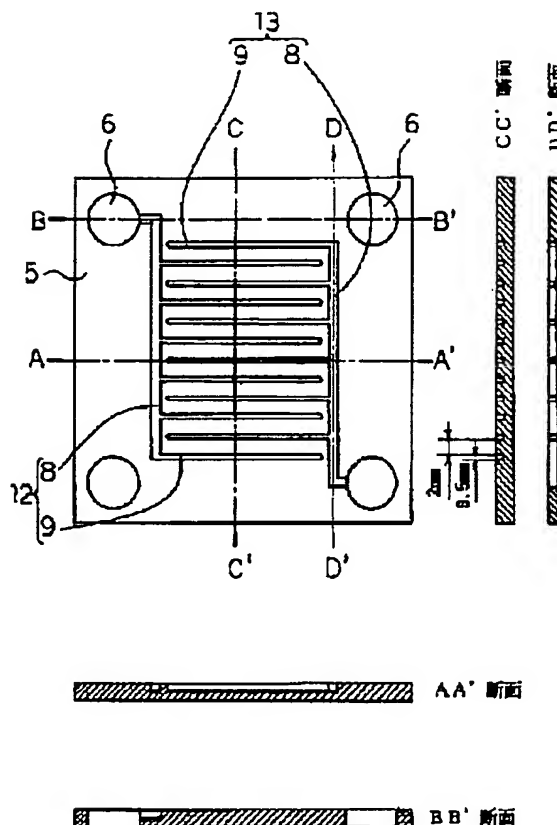
APPLICATION DATE : 26-06-97
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APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : YASUMOTO EIICHI;

INT.CL. : H01M 8/02 H01M 8/10

TITLE : SOLID POLYMER TYPE FUEL CELL,
SOLID POLYMER TYPE FUEL CELL
SYSTEM, AND ELECTRICAL
MACHINERY AND APPARATUS



ABSTRACT : PROBLEM TO BE SOLVED: To provide a solid polymer fuel cell and a cell system capable of attaining highly efficient cell performance in supply of relatively low pressure and small volume of gas, and capable of keeping high efficiency for a cell system.

SOLUTION: A gas supplying passage 12 engraved in a collector separator 5 is separated from a gas discharging passage 13, and all the gases of the gas supplying passage 12 are discharged to the gas discharging passage 13 after passed through an electrode layer and a catalyst layer. Since water drops in vicinity of the catalyst layer and unnecessary gas such as nitrogen are forcibly discharged, supplying of high pressure and high speed of gas is not required.

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